

# ANNEX AA

## Chemical Formulas

**Table AA-1: Guide to Chemical Formulas**

Symbol	Name
Al	Aluminum
Al <sub>2</sub> O <sub>3</sub>	Aluminum Oxide
Br	Bromine
C	Carbon
CH <sub>4</sub>	Methane
C <sub>2</sub> H <sub>6</sub>	Ethane
C <sub>3</sub> H <sub>8</sub>	Propane
CF <sub>4</sub>	Perfluoromethane
C <sub>2</sub> F <sub>6</sub>	Perfluoroethane, hexafluoroethane
c-C <sub>3</sub> F <sub>6</sub>	Perfluorocyclopropane
C <sub>3</sub> F <sub>8</sub>	Perfluoropropane
c-C <sub>4</sub> F <sub>8</sub>	Perfluorocyclobutane
C <sub>4</sub> F <sub>10</sub>	Perfluorobutane
C <sub>5</sub> F <sub>12</sub>	Perfluoropentane
C <sub>6</sub> F <sub>14</sub>	Perfluorohexane
CF <sub>3</sub> I	Trifluoroiodomethane
CFCl <sub>3</sub>	Trichlorofluoromethane (CFC-11)
CF <sub>2</sub> Cl <sub>2</sub>	Dichlorodifluoromethane (CFC-12)
CF <sub>3</sub> Cl	Chlorotrifluoromethane (CFC-13)
C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>	Trichlorotrifluoroethane (CFC-113)*
CCl <sub>3</sub> CF <sub>3</sub>	CFC-113a*
C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>	Dichlorotetrafluoroethane (CFC-114)
C <sub>2</sub> F <sub>5</sub> Cl	Chloropentafluoroethane (CFC-115)
CHCl <sub>2</sub> F	HCFC-21
CHF <sub>2</sub> Cl	Chlorodifluoromethane (HCFC-22)
C <sub>2</sub> F <sub>3</sub> HCl <sub>2</sub>	HCFC-123
C <sub>2</sub> F <sub>4</sub> HCl	HCFC-124
C <sub>2</sub> FH <sub>3</sub> Cl <sub>2</sub>	HCFC-141b
C <sub>2</sub> H <sub>3</sub> F <sub>2</sub> Cl	HCFC-142b
CF <sub>3</sub> CF <sub>2</sub> CHCl <sub>2</sub>	HCFC-225ca
CClF <sub>2</sub> CF <sub>2</sub> CHClF	HCFC-225cb
CCl <sub>4</sub>	Carbon tetrachloride
CHClCCl <sub>2</sub>	Trichloroethylene
CCl <sub>2</sub> CCl <sub>2</sub>	Perchloroethylene, tetrachloroethene
CH <sub>3</sub> Cl	Methylchloride
CH <sub>3</sub> CCl <sub>3</sub>	Methylchloroform
CH <sub>2</sub> Cl <sub>2</sub>	Methylenechloride
CHCl <sub>3</sub>	Chloroform, trichloromethane
CHF <sub>3</sub>	HFC-23
CH <sub>2</sub> F <sub>2</sub>	HFC-32
CH <sub>3</sub> F	HFC-41
C <sub>2</sub> HF <sub>5</sub>	HFC-125
C <sub>2</sub> H <sub>2</sub> F <sub>4</sub>	HFC-134
CH <sub>2</sub> FCF <sub>3</sub>	HFC-134a
C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143*
C <sub>2</sub> H <sub>3</sub> F <sub>3</sub>	HFC-143a*
CH <sub>2</sub> FCH <sub>2</sub> F	HFC-152*
C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>	HFC-152a*
CH <sub>3</sub> CH <sub>2</sub> F	HFC-161
C <sub>3</sub> HF <sub>7</sub>	HFC-227ea
CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> F	HFC-236cb
CF <sub>3</sub> CHFCHF <sub>2</sub>	HFC-236ea

C <sub>3</sub> H <sub>2</sub> F <sub>6</sub>	HFC-236fa
C <sub>3</sub> H <sub>3</sub> F <sub>5</sub>	HFC-245ca
CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	HFC-245fa
CF <sub>3</sub> CH <sub>2</sub> CF <sub>2</sub> CH <sub>3</sub>	HFC-365mfc
C <sub>5</sub> H <sub>2</sub> F <sub>10</sub>	HFC-43-10mee
CF <sub>3</sub> OCHF <sub>2</sub>	HFE-125
CF <sub>2</sub> HOCHF <sub>2</sub> H	HFE-134
CH <sub>3</sub> OCF <sub>3</sub>	HFE-143a
CF <sub>3</sub> CHFOCF <sub>3</sub>	HFE-227ea
CF <sub>3</sub> CHClOCHF <sub>2</sub>	HCFE-235da2
CF <sub>3</sub> CHFOCHF <sub>2</sub>	HFE-236ea2
CF <sub>3</sub> CH <sub>2</sub> OCF <sub>3</sub>	HFE-236fa
CF <sub>3</sub> CF <sub>2</sub> OCH <sub>3</sub>	HFE-245cb2
CHF <sub>2</sub> CH <sub>2</sub> OCF <sub>3</sub>	HFE-245fa1
CF <sub>3</sub> CH <sub>2</sub> OCHF <sub>2</sub>	HFE-245fa2
CHF <sub>2</sub> CF <sub>2</sub> OCH <sub>3</sub>	HFE-254cb2
CF <sub>3</sub> CH <sub>2</sub> OCH <sub>3</sub>	HFE-263fb2
CF <sub>3</sub> CF <sub>2</sub> OCF <sub>2</sub> CHF <sub>2</sub>	HFE-329mcc2
CF <sub>3</sub> CF <sub>2</sub> OCH <sub>2</sub> CF <sub>3</sub>	HFE-338mcf2
CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> OCH <sub>3</sub>	HFE-347mcc3
CF <sub>3</sub> CF <sub>2</sub> OCH <sub>2</sub> CHF <sub>2</sub>	HFE-347mcf2
CF <sub>3</sub> CHF <sub>2</sub> CF <sub>2</sub> OCH <sub>3</sub>	HFE-356mec3
CHF <sub>2</sub> CF <sub>2</sub> CF <sub>2</sub> OCH <sub>3</sub>	HFE-356pcc3
CHF <sub>2</sub> CF <sub>2</sub> OCH <sub>2</sub> CHF <sub>2</sub>	HFE-356pcf2
CHF <sub>2</sub> CF <sub>2</sub> CH <sub>2</sub> OCHF <sub>2</sub>	HFE-356pcf3
CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> OCH <sub>3</sub>	HFE-365mcf3
CHF <sub>2</sub> CF <sub>2</sub> OCH <sub>2</sub> CH <sub>3</sub>	HFE-374pcf2
C <sub>4</sub> F <sub>9</sub> OCH <sub>3</sub>	HFE-7100
C <sub>4</sub> F <sub>9</sub> OC <sub>2</sub> H <sub>5</sub>	HFE-7200
CHF <sub>2</sub> OCF <sub>2</sub> OC <sub>2</sub> F <sub>4</sub> OCHF <sub>2</sub>	H-Galden 1040x
CHF <sub>2</sub> OCF <sub>2</sub> OCHF <sub>2</sub>	HG-10
CHF <sub>2</sub> OCF <sub>2</sub> CF <sub>2</sub> OCHF <sub>2</sub>	HG-01
CH <sub>3</sub> OCH <sub>3</sub>	Dimethyl ether
CH <sub>2</sub> Br <sub>2</sub>	Dibromomethane
CH <sub>2</sub> BrCl	Dibromochloromethane
CHBr <sub>3</sub>	Tribromomethane
CHBrF <sub>2</sub>	Bromodifluoromethane
CH <sub>3</sub> Br	Methylbromide
CF <sub>2</sub> BrCl	Bromodichloromethane (Halon 1211)
CF <sub>3</sub> Br(CBrF <sub>3</sub> )	Bromotrifluoromethane (Halon 1301)
CF <sub>3</sub> I	FIC-131I
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
CaCO <sub>3</sub>	Calcium carbonate, Limestone
CaMg(CO <sub>3</sub> ) <sub>2</sub>	Dolomite
CaO	Calcium oxide, Lime
Cl	atomic Chlorine
F	Fluorine
Fe	Iron
Fe <sub>2</sub> O <sub>3</sub>	Ferric oxide
FeSi	Ferrosilicon
H, H <sub>2</sub>	atomic Hydrogen, molecular Hydrogen
H <sub>2</sub> O	Water
H <sub>2</sub> O <sub>2</sub>	Hydrogen peroxide
OH	Hydroxyl
N, N <sub>2</sub>	atomic Nitrogen, molecular Nitrogen
NH <sub>3</sub>	Ammonia
NH <sub>4</sub> <sup>+</sup>	Ammonium ion
HNO <sub>3</sub>	Nitric Acid
NF <sub>3</sub>	Nitrogen trifluoride
N <sub>2</sub> O	Nitrous oxide
NO	Nitric oxide

NO <sub>2</sub>	Nitrogen dioxide
NO <sub>3</sub>	Nitrate radical
Na	Sodium
Na <sub>2</sub> CO <sub>3</sub>	Sodium carbonate, soda ash
Na <sub>3</sub> AlF <sub>6</sub>	Synthetic cryolite
O, O <sub>2</sub>	atomic Oxygen, molecular Oxygen
O <sub>3</sub>	Ozone
S	atomic Sulfur
H <sub>2</sub> SO <sub>4</sub>	Sulfuric acid
SF <sub>6</sub>	Sulfur hexafluoride
SF <sub>5</sub> CF <sub>3</sub>	Trifluoromethylsulphur pentafluoride
SO <sub>2</sub>	Sulfur dioxide
Si	Silicon
SiC	Silicon carbide
SiO <sub>2</sub>	Quartz

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\* Distinct isomers.